

APPENDIX B. REFERENCES

1997 ASHRAE *Handbook of Fundamentals*, American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc., Atlanta, GA.

Arasteh, D. K. Finlayson, E. U., and Huizenga, C. 1994. "WINDOW 4.1: A PC Program for Analyzing Window Thermal Performance in Accordance with Standard NFRC Procedures." LBL Report 35298. Berkeley, CA.

ASHRAE Standard 142P, Standard Method for Determining and Expressing the Heat Transfer and Total Optical Properties of Fenestration Products, Public Review Draft, October 1996, American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc., Atlanta, GA.

Baehmann, P. L. Wittchen, S.L., Shephard, M.S., Grice, K.R. and Yerry, M.A., 1987. "Robust, Geometrically Based, Automatic Two-Dimensional Mesh Generation." *International Journal for Numerical Methods in Engineering*, 24, 1043 - 1078..

Curcija, D.; Power, J. P.; and Goss, W. P. 1995. "CONRAD: A Finite Element Method Based Computer Program Module for Analyzing 2-D Conductive and Radiative Heat Transfer in Fenestration Systems". Draft Report, University of Massachusetts at Amherst.

Curcija; D., and Goss, W. P. The 'Variable-h' Model For Improved Prediction of Surface Temperatures in Fenestration Systems, DRAFT June 1998 University of Massachusetts Report.

Curcija, D. June 20, 2006. "Conrad 5 and Viewer 5 Technical and Programming Documentation", Carli, Inc. Amherst, MA.

Finlayson, E. U., Arasteh, D. K., Huizenga, C., Rubin, and M. D., Reilly, M. S., 1993. "WINDOW 4.0: Documentation of Calculation Procedures." LBL Report 33943. Berkeley CA.

Finlayson, E.U., Mitchell, R., Arasteh, D., Huizenga, C., Curcija, D.. 1998. "THERM 2.0: Program Description, A PC Program for Analyzing the Two-Dimensional Heat Transfer Through Building Products". LBL-37371 Rev 2.

George, P.L. *Automatic Mesh Generation, Application to Finite Element Methods*. John Wiley & Sons.

Pepper, P. W. and Heinrich, J. C. 1992. *The Finite Element Method Basic Concepts and Applications*. Hemisphere Publishing Corporation, Washington.

Carmody, J., Selkowitz, Arasteh, D., S., Heschong, L., *Residential Windows: A Guide to New Technologies and Energy Performance*, Second Edition, 2000, W. W. Norton & Company.

Rohsenow, W. M., Harnett, J. P., and Ganic, E. N., 1985. *Handbook of Heat Transfer Fundamentals*, 2nd Edition, McGraw Hill.

Shapiro, A. B. 1986. "TOPAZ2D - A Two-Dimensional Finite Element Code for Heat Transfer Analysis, Electrostatic, and Magnetostatic Problems" Lawrence Livermore National Laboratory, Rept. UCID-20824.

Shapiro, A. B. 1990. "TOPAZ2D Heat Transfer Code Users Manual and Thermal Property Data Base", Lawrence Livermore National Laboratory, Rept. UCRL-ID-104558, May 1990.

Shapiro, A. B., 1983. FACET - A Radiation View Factor Computer Code for Axisymmetric, 2D Planar, and 3D Geometries with Shadowing. Lawrence Livermore National Laboratory, Rept. UCID-19887.

Thermal Performance of Windows, Doors and Shading Devices – Detailed Calculations, ISO/FDIS 15099, ISO TC 163.

- Zhao, Y., Curcija, D., and Goss, W. P., 1996, Condensation Resistance Validation Project - Detailed Computer Simulations Using Finite - Element Methods. PP 508-515, *ASHRAE Transactions*, Vol 102, Part 2.
- Zienkiewicz, O. C.; and Taylor, R. L. 1989. *The Finite Element Method*. 4th ed. Vol. 1. McGraw Hill, Maidenhead, UK.
- Zienkiewicz, O.C. and Zhu, J.Z. 1992a. "The Superconvergent Patch Recovery and A Posteriori Error Estimates. Part 1: The Recovery Technique." *International Journal for Numerical Methods in Engineering*. Vol 33. pp. 1331-1364.
- Zienkiewicz, O.C. and Zhu, J.Z., 1992b. "The superconvergent patch recovery and a posteriori error estimates. Part 2. The error estimates and adaptivity." *International Journal for Numerical Methods in Engineering*. Vol 33. pp. 1365-1382.